

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000222

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: G01N 21/05, 33/577

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIDS, MEDLINE, CA; KEYWORDS: COMPETITIVE, LINKER, MASS, NANOPARTICLE, PARTICLE, PLASMON RESONANCE, BIOSENSOR, IMMUNOSENSOR

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6342349 B (VIRTANEN J.) 29 January 2002 Abstract, Figures 34A-35C	1-18
Y	WO 2002/092631 A (HORTICULTURE & FOOD RESEARCH INST. OF NZ LTD) 21 November 2002 Abstract, p12 lines 12-26, p19 lines 1-7, figures 2, 11 and claims	1-18
P, Y	WO 2004/042403 A (ROCHE DIAGNOSTICS GMBH et al) 21 May 2004 Abstract, Figure 11, Claims	1-18

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
22 November 2004

Date of mailing of the international search report

10 DEC 2004

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

ROSS OSBORNE

Telephone No : (02) 6283 2404

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000222

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Mullett W. et al, "Surface plasmon resonance-based immunoassays" Methods (2000) Vol 22 p77-91. Whole document	
A	Wu Y. et al, "Evaluation of progesterone-ovalbumin conjugates with different length linkers in enzyme-linked immunosorbent assay and surface plasmon resonance-based immunoassay" Steroids (2002) Vol 67 p565-572 Whole document	
A	Kubitschko S. et al, "Sensitivity enhancement of optical immunosensors with nanoparticles" Anal. Biochem. (1997) Vol 253 p112-122 Whole document	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2004/000222

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	6342349	AU	41602/02	CA	2468245
		HU	0103577	IL	151635
		NZ	333907	EP	1480772
WO	2002/092631	AU	2002311701	KR	2000023613
		CA	2447032	EP	1404717
		NZ	511705	US	2004171069
WO	2004/042403				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX